



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/910,722	07/24/2001	Joun-Ho Lee	8733.491.00	1798

30827 7590 07 07 2003

MCKENNA LONG & ALDRIDGE LLP
1900 K STREET, NW
WASHINGTON, DC 20006

[REDACTED] EXAMINER

PARKER, KENNETH

ART UNIT	PAPER NUMBER
	2871

DATE MAILED: 07/07/2003

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary	Application No.	Applicant(s)
	09/910,722	LEE ET AL.
	Examiner	Art Unit
	Kenneth A Parker	2871

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) Responsive to communication(s) filed on 4/8/03.
- 2a) This action is **FINAL**. 2b) This action is non-final.
- 3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) Claim(s) 1-7,9-18,20 and 21 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) Claim(s) _____ is/are allowed.
- 6) Claim(s) 1-7,9-18,20 and 21 is/are rejected.
- 7) Claim(s) _____ is/are objected to.
- 8) Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) The specification is objected to by the Examiner.
- 10) The drawing(s) filed on _____ is/are: a) accepted or b) objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- 11) The proposed drawing correction filed on _____ is: a) approved b) disapproved by the Examiner.
If approved, corrected drawings are required in reply to this Office action.
- 12) The oath or declaration is objected to by the Examiner.

Priority under 35 U.S.C. §§ 119 and 120

- 13) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) All b) Some * c) None of:
 1 Certified copies of the priority documents have been received.
 2 Certified copies of the priority documents have been received in Application No. _____.
 3 Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.
- 14) Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).
a) The translation of the foreign language provisional application has been received.
- 15) Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.

Attachment(s)

- | | |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413) Paper No(s). _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449) Paper No(s) _____ | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

Claim Rejections - 35 USC § 102

Claims 1-5, 9-16, and 19-21 are rejected under 35 U.S.C. 102(b) as being anticipated by Kim 5909035.

The details of the rejection are presented in the previous office action. The limitations regarding the first and second signals have the weight of intended use, and as the device of Kim can be driven with first and second signals, these limitations are met by the reference. Claims 20-21 have the two auxiliary lines running parallel to the gate lines. The top two lines, 1 and 2, run parallel to the gate lines and are electrically separate, so separate signals can be applied to each line.

Claims 1-5, 9-12, and 14-17 are rejected under 35 U.S.C. 102(b) as being anticipated by Aoki et al, 6025835.

The details of the rejection are presented in the previous office action. The limitations regarding the first and second signals have the weight of intended use, and as the device of Kim can be driven with first and second signals, these limitations are met by the reference.

DETAILED ACTION

Claim Rejections - 35 USC § 102

Claims 1-5, 9-16, and 19-21 are rejected under 35 U.S.C. 102(b) as being anticipated by Kim 5909035.

The details of the rejection are presented in the previous office action. The limitations regarding the first and second signals have the weight of intended use, and as the device of Kim can be driven with first and second signals, these limitations are met by the reference. Claims 20-21 have the two auxiliary lines running parallel to the gate lines. The top two lines, 1 and 2, run parallel to the gate lines and are electrically separate, so separate signals can be applied to each line.

Claims 1-5, 9-12, and 14-17 are rejected under 35 U.S.C. 102(b) as being anticipated by Aoki et al, 6025835.

The details of the rejection are presented in the previous office action. The limitations regarding the first and second signals have the weight of intended use, and as the device of Kim can be driven with first and second signals, these limitations are met by the reference.

Claim Rejections - 35 USC § 103

Claims 6 and 7 are rejected under 35 U.S.C. 103(a) as being unpatentable over Kim 5909035

The details of the rejection are presented in the previous office action. The limitations regarding the first and second signals have the weight of intended use, and as the device of Kim can be driven with first and second signals, these limitations are met by the reference.

Response to Arguments

Applicant's arguments filed 4/08/03 have been fully considered but they are not persuasive. As the claims do not include driving means, the signals are intended use and met if they can be used accordingly. As the lines are separate, they can be driven with signals as claimed.

Allowable Subject Matter

Language indicating that there is liquid crystal in the display and non-display areas and realizing the driving limitations as more than intended use (or that the lines are connected so as to give the claimed relationship would make the claims allowable. The claims can also be made allowable by incorporating the function provided by the electrodes with some limited driving and/or connection details would make the claims allowable.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Kenneth A Parker whose telephone number is 703-305-6202. The examiner can normally be reached on 9:30-6:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Robert H. Kim can be reached on 305-3492. The fax phone numbers for the organization where this application or proceeding is assigned are 703-308-7722 for regular communications and 703-308-7722 for After Final communications.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is 308-0956.

Kenneth A Parker
Primary Examiner
Art Unit 2871

June 26, 2003